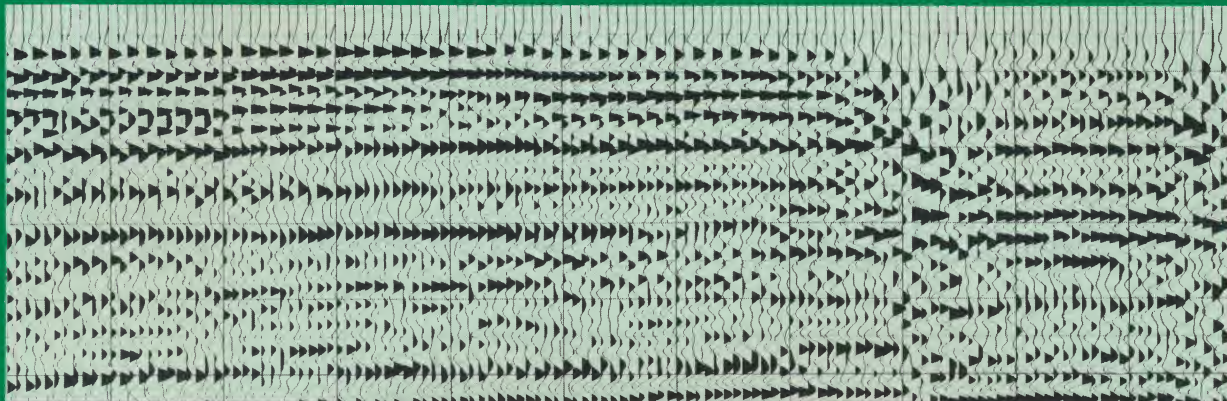


the HSR-11A



HSR-11A

BUFFER

POWER

RESET

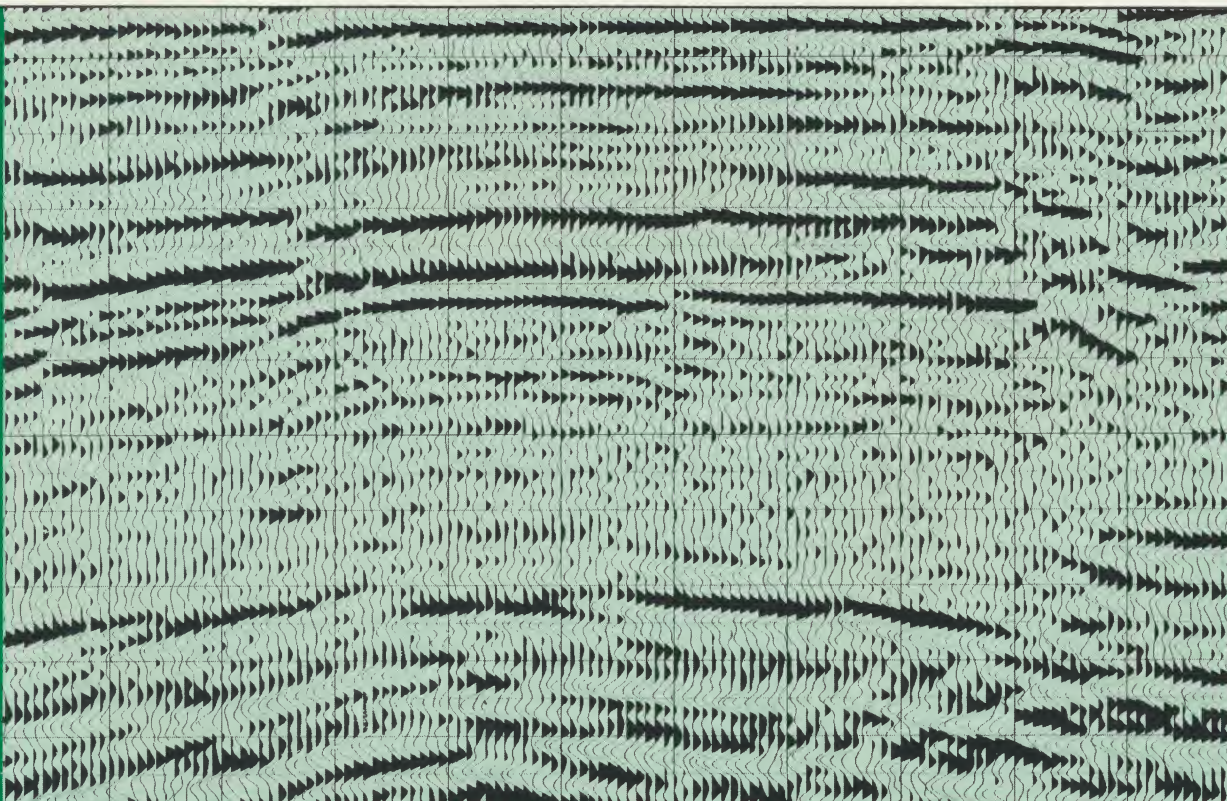
●
INPUT
EMPTY

●
OUTPUT
FULL

● ● ●
5 +5 +12

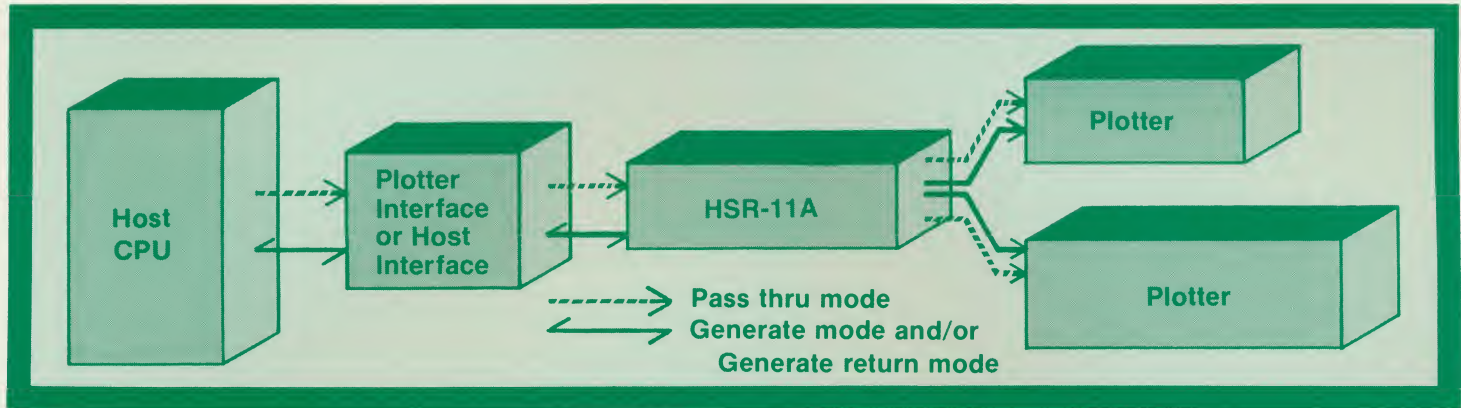
●

LOGIC SCIENCES



A high speed rastering controller that significantly improves
plotter throughput.

Need More Plotting Time? —You've Got it! (with the HSR-11A)



The HSR-11A is a high speed micro-programmed rastering device, designed to produce seismic section plots and/or graphic output to electrostatic, CRT or laser plotters. Easily interfaced between your plotter and its interface or to your host CPU, the HSR-11A relieves the host from all bit manipulation related to plotter output, producing faster plots with a bare minimum of host software modification.

Due to the vast improvement in through-put achieved by utilizing the HSR-11A, its cost effectiveness is realized immediately and will continue to save money by increasing the computing capability of your host system.

HSR-11A Function:

- Generate Seismic Section Plots
- Generate Graphic Plots
- Generate Alpha Numeric Printout

HSR-11A Features:

- Full range of seismic display options
- Handles graphic and alpha generation
- Plots serial data
- Relieves host CPU from bit manipulation and I/O
- Micro-Programmable
- Can drive plotter at maximum speed
- Trace header command concept
- Readily interfaces to your current hardware configuration
- Internal memory—expandable to 4 megabytes
- Controls different plotter sizes
- User specified output resolution
- Versatile alpha-numeric print out
- Option for two way communication with host

Full range of Seismic Section displays

Host CPU provides trace sequential data with trace headers containing display control parameters.

Display Options

- Wiggle, Variable area, VA + Wiggle
- Polarity Reversal
- Variable base line (\pm % bar)
- User specified timing lines
- Annotation
- Trace overlap
- Trace spacing
- Positive or negative fill
- Automatic maximum resolution
- Programmable for your special options
- Seismic trace scaling, clipping & interpolation

Input Options

- 8, 16, 32-bit 2's complement
- 32-bit floating point formats

Easily Interfaced

- Simple 'Slot-in' capability between your current plotter and its interface
- 'Pass thru' mode allows your present applications to function with no change
- Option for two way communication with host, allows raster data to be saved on disc or tape
- Expandable memory up to 4 megabytes
- Micro-programs are in plug-in PROMS for easy updating

We Raster Faster

Graphic and Alpha generation

- Full x, y graphics plotting capability
- Accepts vertically sectorized x, y vectors
- Simple 'From-To' pen plotter concept
- Wide range of Alpha Scaling from 9 x 7 dots
- 4 Quadrant Alpha rotate feature
- Programmable to your special requirements

Relieves Host CPU

- Relieves host CPU from bit manipulation
- Handles I/O to plotter for host
- Relieves application programmers from non-application programming
- Improves host CPU cycle utilization

Serial Data

- Handles pre-rastered serial data
- Plots logos
- 'Store'/'or' option of serial data

Maximum Speed

- State-of-the-art microprocessor technology
- Can drive plotter at maximum speed
- 50,000 seismic samples per second or better
- Performs bit manipulation faster than host CPU

Alpha-Numeric Printout option

- High speed alpha-numeric generation for listings
- Relieves host CPU from character generation
- Alpha rotate available
- Alpha scale available

SPECIFICATIONS

Mounting	19" rack mounted, 23" deep, 7" high	
Power	110V at 60 HZ 230V at 50 HZ	
Interfacing	Interfaces available to mainframes via the standard electrostatic printer/plotter interface or can be interfaced directly to host CPU.	
Memory	128K bytes of raster memory 8K bytes of timing line memory 64 character Alphanumeric ROM	
Optional Memory	128K byte increments to a maximum of 4 megabytes	
Input	Trace sequential data, sectored X, Y vectors, alphanumeric characters and rastered data	
Output	Raster scan lines to drive an attached electrostatic plotter, CRT or laser plotter.	
Weight	36 lbs.	
Pricing	128K byte memory version	\$12,500.00
	Expandable memory modules	
	each additional 128K bytes	4,000.00
	All Prices F.O.B. Houston, Texas O.E.M. and quantity discounts available	

(713) 879-0536

 **LOGIC SCIENCES**
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Houston, Texas 77099 **INC**

MEMORY SIZE CONFIGURATION TABLE* FOR THE HSR-11A (WITH PRICES)

Prices Effective - August 1, 1981** and are F.O.B. Houston, Texas. All Input/Output Interfaces are priced separately.

22"	100	128K	12,500
24"	100	128K	12,500
36"	100	128K	12,500
42"	100	128K	12,500
72"	100	128K	12,500
11"	200	128K	12,500
15"	200	128K	12,500
20"	200	128K	12,500
22" (See Note 1)	200	256K	16,500
24"	200	256K	16,500
36"	200	256K	16,500
42"	200	256K	16,500
72"	200	512K	24,500

Maximum size available is 4 mega bytes.

* For seismic applications, these memory configurations give peak-to-peak amplitude of 1" maximum.

** Prices subject to change without notice.

Note 1: A HSR-11A with 128K bytes of memory may be used for a 22 inch 200 dots per inch plotter. This will reduce the plotting width from 21.12 inches to 20.48 inches.